

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
KAT	1.	US-	1,023,082	Apr., 1912	Khuge	
	2.	US-	1,127,896	Feb., 1915	Keller	
	3.	US-	1,369,939	Mar., 1921	Shaffer	
	4.	US-	1,752,231	Mar., 1930	Clarkson	
	5.	US-	1,759,947	May., 1930	Lee	
	6.	US-	1,798,510	Mar., 1931	Winkslow et al.	
	7.	US-	1,826,798	Oct., 1931	Lee	
	8.	US-	1,897,144	Feb., 1933	Prouty	
	9.	US-	2,014,287	Oct., 1935	Newman	
	10.	US-	2,143,421	Jan., 1939	Loehr et al.	
	11.	US-	2,171,248	Sep., 1939	Van Berkel	
	12.	US-	2,392,872	Jan., 1946	Wolfe	
	13.	US-	2,397,872	Apr., 1946	Kovacs	
	14.	US-	2,397,980	Apr., 1946	Petri	
	15.	US-	2,402,845	Jun., 1946	Rodman	
	16.	US-	2,405,625	Aug., 1946	Whiton et al.	
	17.	US-	2,608,268	Aug., 1952	Gerber	
	18.	US-	2,681,124	Jun., 1954	Van et Koik	
	19.	US-	2,822,060	Feb., 1958	Udovich	
KAT	20.	US-	2,993,223	Jul., 1961	Krammes	

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
KAT	1.		1042812	Sep., 1983	SU.		
	2.		148023	Mar., 1961	SU.		
	3.		2104136	Jun., 1994	CA.		
	4.		52195	Sep., 1963	DK.		
	5.		54488	May., 1985	CA.		
	6.		69708	Jan., 1949	DK.		
	7.		762070	Dec., 1950	GB.		
KAT	8.		DE 195 06 506	08-96	_____		
	9.		DE 196 50 407	06-98	_____		

Examiner
SignatureDate
Considered

1/10/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
RAH	21.	US- 3,171,807		Mar., 1965	Neuman G.E.	
	22.	US- 3,171,807		Mar., 1965	Neuman	
	23.	US- 3,200,568		Aug., 1965	McNeil	
	24.	US- 3,235,090		Feb., 1966	Bose et al.	
	25.	US- 3,283,480		Nov., 1966	Szego	
	26.	US- 3,320,727		May., 1967	Farley et al.	
	27.	US- 3,398,513		Aug., 1968	Thompson	
	28.	US- 3,425,192		Feb., 1969	Davis	
	29.	US- 3,501,014		Mar., 1970	Fitch, Jr. et al.	
	30.	US- 3,535,854		Oct., 1970	Taylor	
	31.	US- 3,853,518		Dec., 1974	Tu et al.	
	32.	US- 3,877,902		Apr., 1975	Eriksson et al.	
	33.	US- 3,925,045		Dec., 1975	Cheng	
	34.	US- 3,955,236		May., 1976	Mekelburg	
	35.	US- 4,005,998		Feb., 1977	Gorman	
	36.	US- 4,141,698		Feb., 1979	Kihlstedt et al.	
	37.	US- 4,162,149		Jul., 1979	Mekelburg	
	38.	US- 4,172,710		Oct., 1979	Van Der Molen	
	39.	US- 4,198,290		Apr., 1980	Summers	
	RAH	40.	US- 4,251,241		Feb., 1981	Bothun

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
RAH	10.	DE 19650407		06-10-98	Kevin Business Corp.		
	11.	EP 0 815 788		01-98	_____		
	12.	EP 0815788		01-07-98	Candy Spa		
	13.	FR 1,094,603		05-23-55	Martelliere F.		
	14.	FR 1.094.603		12-54	_____		
	15.	GB 2 305 623		April, 1997	GB.		
RAH	16.	JP 59-49817		03-84	_____		
	17.	WO 10452-27		01-00	_____		
	18.	WO 98/02080		Jan., 1998	WO.		

Examiner
Signature

Robert A. Hopkins

Date
Considered

1/18/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
KAT	41.	US-	4,251,368	Feb., 1981	Colman et al.	
	42.	US-	4,268,288	May., 1981	Coombs	
	43.	US-	4,326,862	Apr., 1982	Suzuki	
	44.	US-	4,345,572	Aug., 1982	Suzuki et al.	
	45.	US-	4,352,681	Oct., 1982	Dietz	
	46.	US-	4,364,146	Dec., 1982	Bowerman I.E.	
	47.	US-	4,384,146	Dec., 1982	Bowerman	
	48.	US-	4,373,228	Feb., 1983	Dyson	
	49.	US-	4,377,882	Mar., 1983	Dyson	
	50.	US-	4,390,426	Jun., 1983	Vicard	
	51.	US-	4,398,928	Aug., 1983	Kunsagi	
	52.	US-	4,443,234	Apr., 1984	Carlsson	
	53.	US-	4,571,772	Feb., 1986	Dyson	
	54.	US-	4,573,236	Mar., 1986	Dyson	
	55.	US-	4,588,423	May., 1986	Gillingham et al.	
	56.	US-	4,593,429	June, 1986	Dyson J	
	57.	US-	4,593,429	Jun., 1986	Dyson	
	58.	US-	4,643,748	Feb., 1987	Dyson	
	59.	US-	4,682,909	May., 1987	Durr	
	ROA	60.	US-	4,736,729	Jul., 1988	Brunnmair et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
ROA	19.	WO	98/10691	Mar., 1998	WO.		
	20.	WO	98/23381	Jun., 1998	WO.		
	21.	WO	98/27857	Jul., 1998	WO.		
ROA	22.	WO	98/33424	Aug., 1998	WO.		

Examiner
Signature

Robert A. Hopkins

Date
Considered

x/18/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
KCH	61.	US-	4,826,515	May., 1989	Dyson	
	62.	US-	4,853,008	Aug., 1989	Dyson	
	63.	US-	4,853,011	Aug., 1989	Dyson	
	64.	US-	450,372	Apr., 1891	Morse	
	65.	US-	5,062,870	Nov., 1991	Dyson	
	66.	US-	5,078,761	Jan., 1992	Dyson	
	67.	US-	5,090,976	Feb., 1992	Dyson	
	68.	US-	5,101,532	Apr., 1992	Dyson et al.	
	69.	US-	5,145,499	Sep., 1992	Dyson	
	70.	US-	5,160,356	Nov., 1992	Dyson	
	71.	US-	5,227,081	July, 1993	Bedsole R.D.	
	72.	US-	5,227,081	July, 1993	Bedsole	
	73.	US-	5,254,147	Oct., 1993	Finke	
	74.	US-	5,267,371	Dec., 1993	Soler et al.	
	75.	US-	5,307,538	May., 1994	Rench et al.	
	76.	US-	5,350,432	Sep., 1994	Lee	
	77.	US-	5,525,388	June, 1988	Rudolph et al	
	78.	US-	5,558,697	Sep., 1996	Dyson et al.	
	79.	US-	5,591,253	Jan., 1997	Altman et al.	
	KCH	80.	US-	5,755,007	May., 1998	Dyson

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>Robert A. Hopkins</i>	Date Considered	1/18/05
-----------------------	--------------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

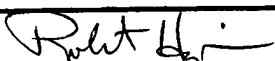
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/816,840
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	April 5, 2004
				First Named Inventor	Conrad
				Art Unit	1724
				Examiner Name	Robert A. Hopkins
Sheet	5	of	5	Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
BAH	81.	US- 5,779,745	July, 1998	Kilstrom	
	82.	US- 5,779,745	Jul., 1998	Kilstrom	
	83.	US- 5,908,493	June, 1999	Krymsky	
	84.	US- 5,935,279	Aug., 1999	Kilstrom	
	85.	US- 5,950,274	Sep., 1999	Kilstrom	
	86.	US- 6,085,382	July, 2000	Bobrossky et al.	
	87.	US- 6,141,816	Nov., 2000	Burnett	
	88.	US- 6,391,095	May 21, 2002	Conrad et al.	
	89.	US- 883,413	Mar., 1908	Mahony	
	90.	US- D305,269	Dec., 1889	Dyson	
	91.	US- D343,707	Jan., 1994	Dyson	
	92.	US- D382,679	Aug., 1997	Dyson	
	93.	US- Re32,257	Oct., 1986	Dyson	
	94.	US-5,908,493	June, 1999	Krymsky M.D.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	7/10/05
-----------------------	---	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.